

## ABSTRACT

A method and system for simulating system conditions at a kernel-level is provided. In one aspect, process  
5 identifiers of processes for which simulation is to be performed are transmitted along with simulation pattern or rules from a user-space to a kernel space. Emulator in the kernel space intercepts system calls invoked by processes running in the user space. If the system calls originated  
10 from the one or more processes for which emulation was to be performed, return results according to the simulation pattern are generated and returned to the calling process.